Subtilisin Structure–Function Correlation

Thermostablility Motifs

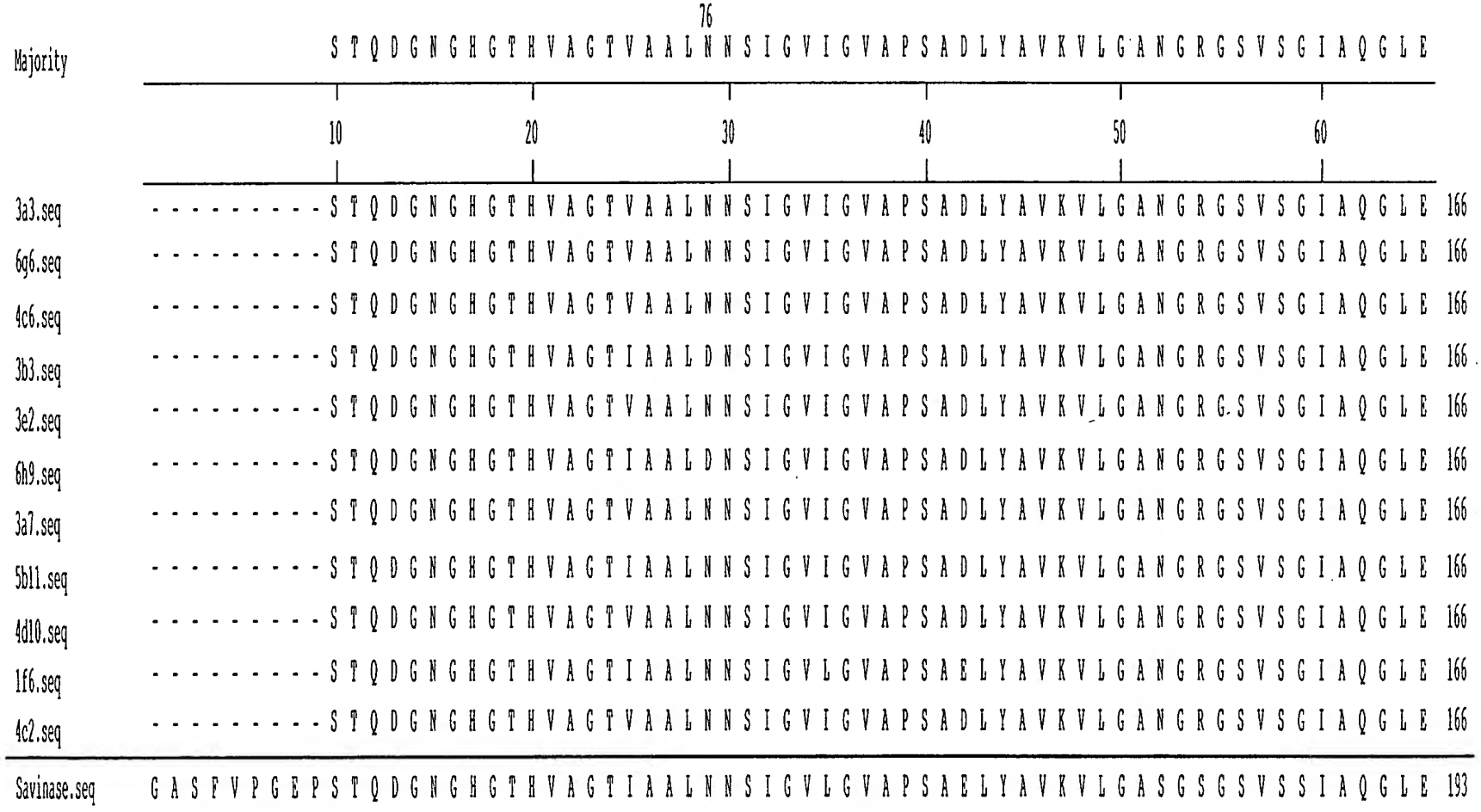

FIG 2A

Subtilisin Structure–Function Correlation

Thermostablility Motifs

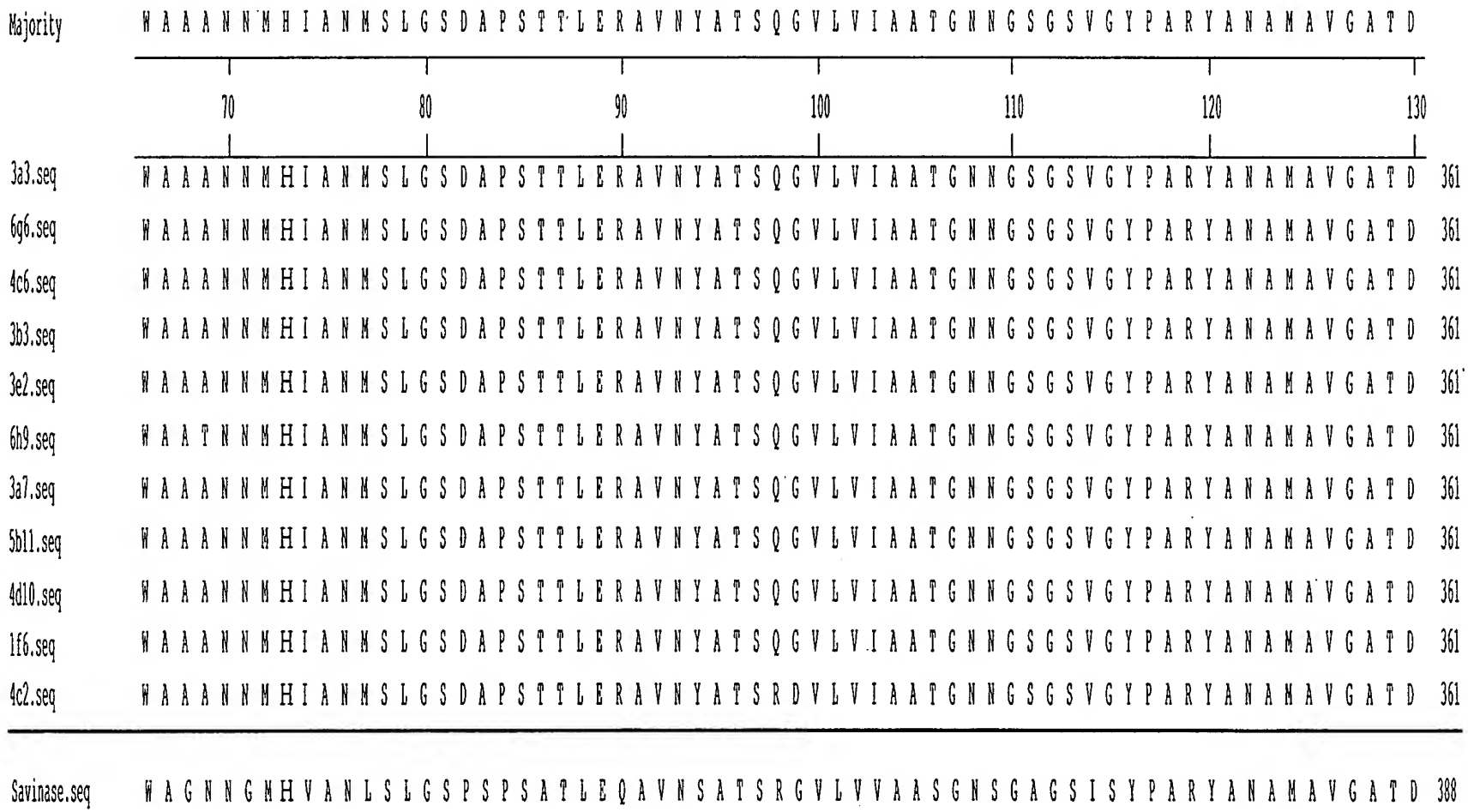

FIG 2B

Subtilisin Structure–Function Correlation

Thermostablility Motifs

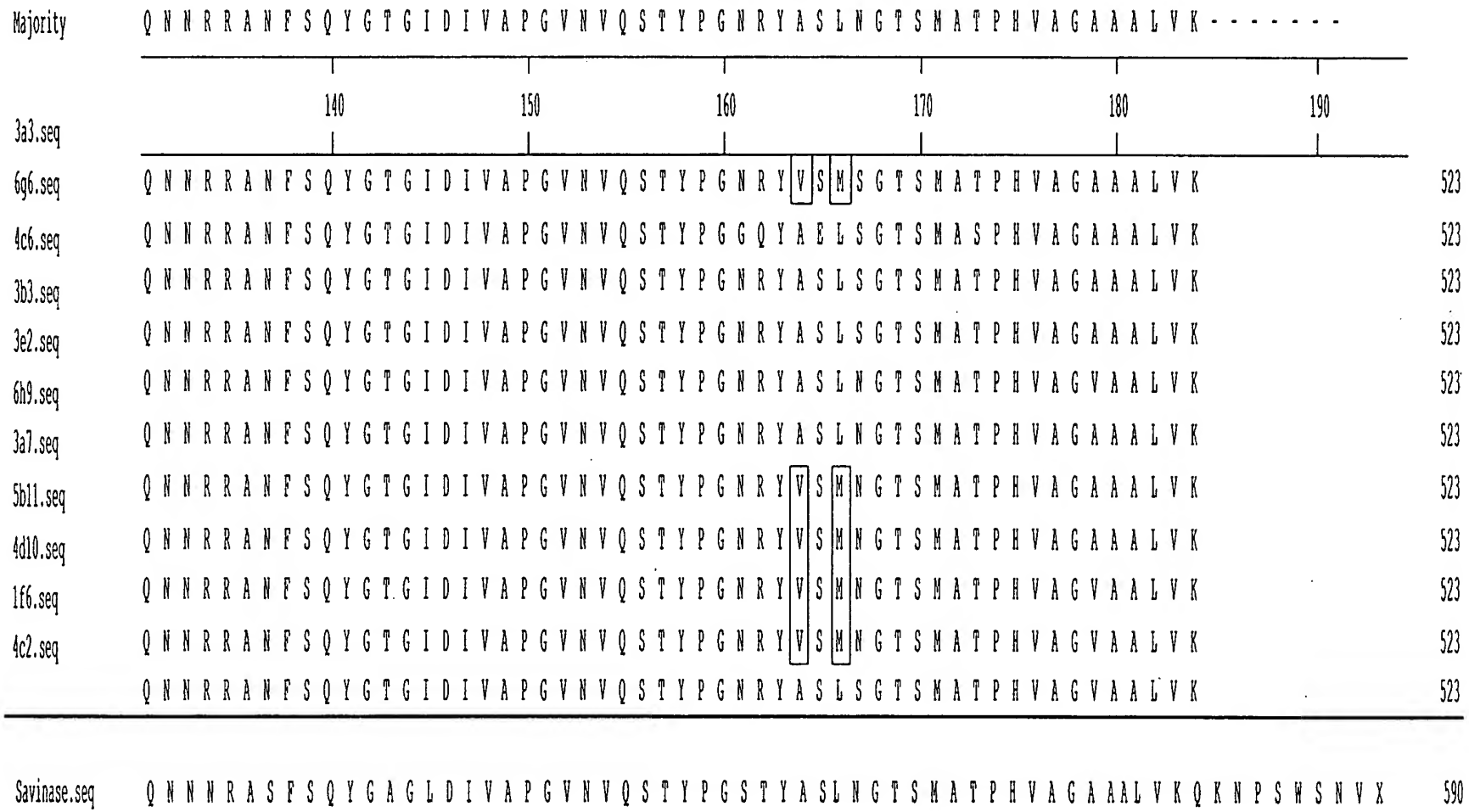

FIG 2C

Subtilisin Structure–Function Correlation

pH Shifting Motifs

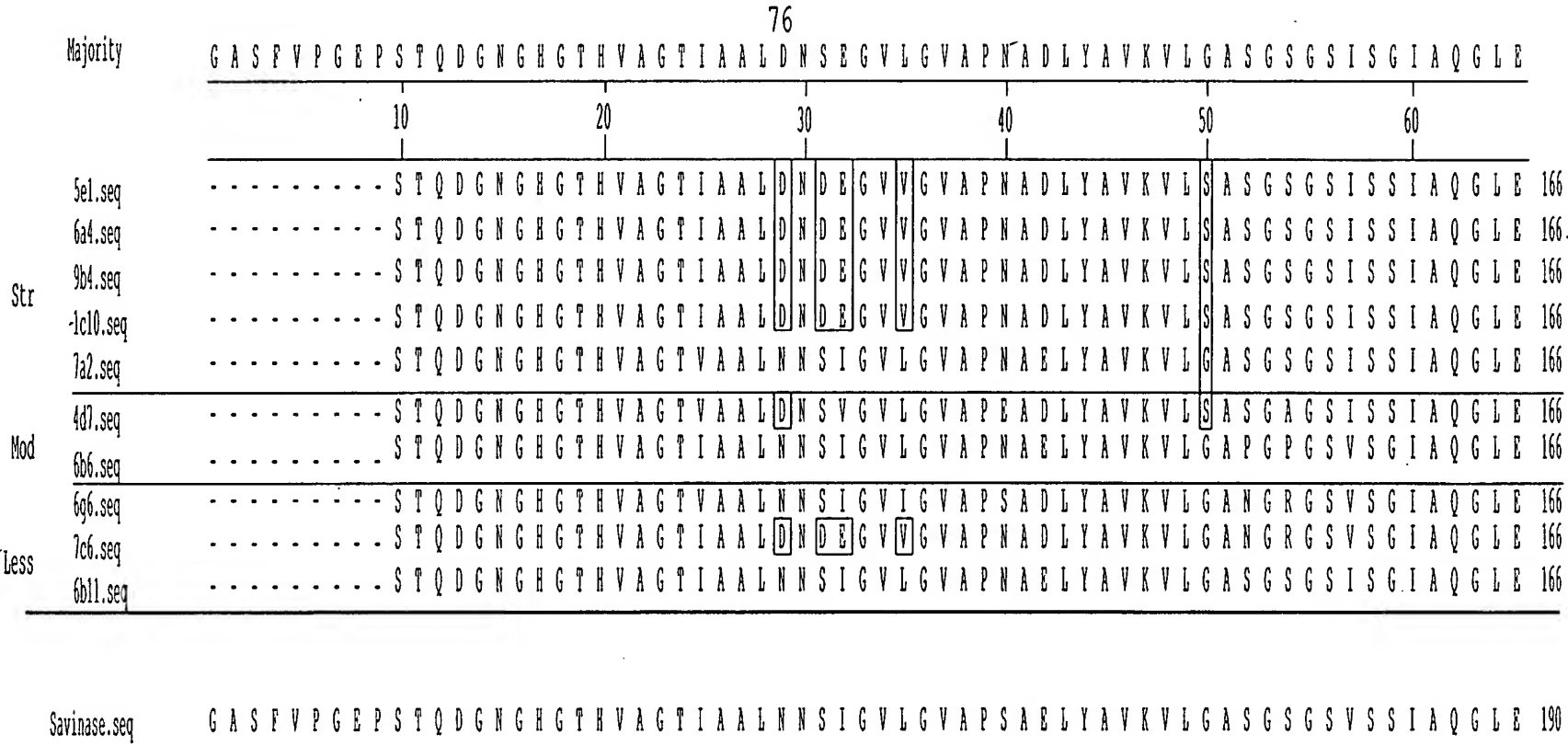

FIG 2D

Subtilisin Structure–Function Correlation

pH Shifting Motifs

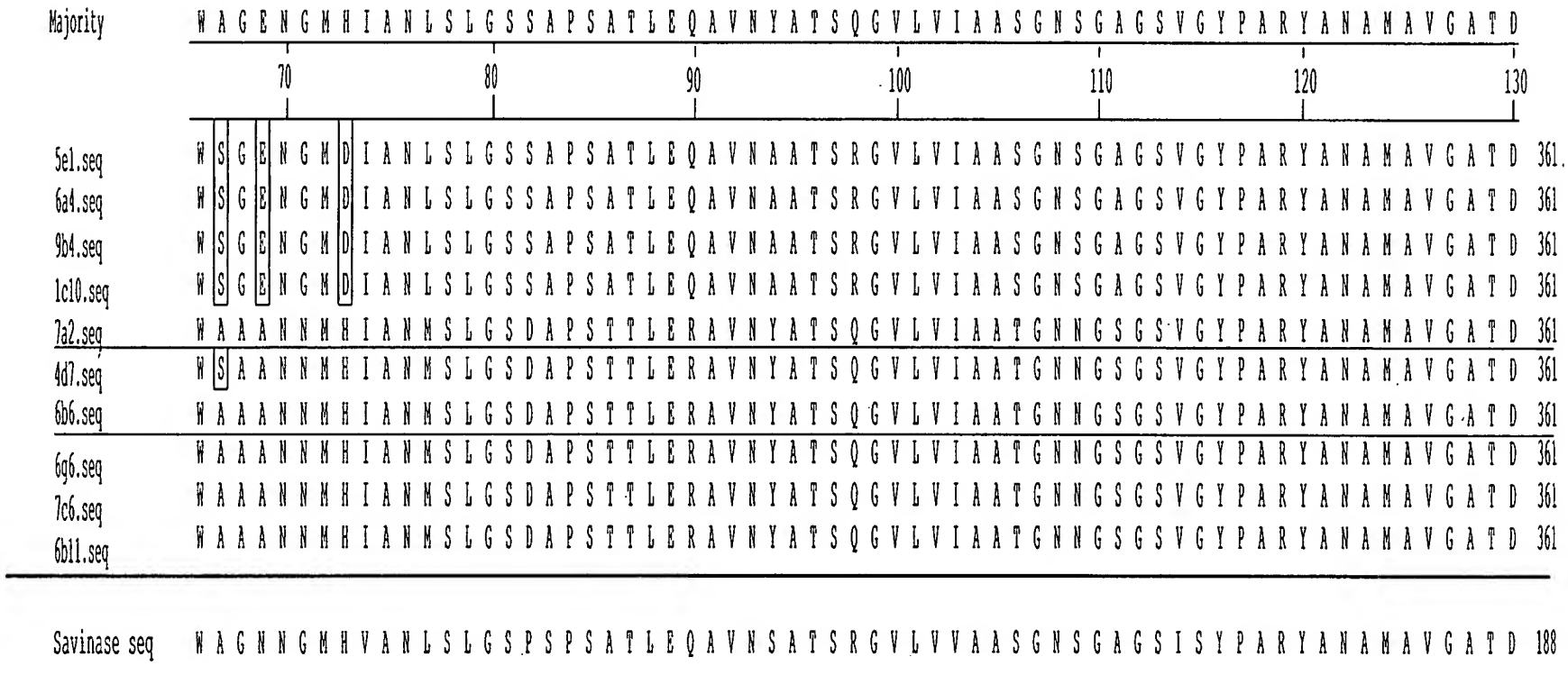

FIG 2E

Subtilisin Structure–Function Correlation

pH Shifting Motifs

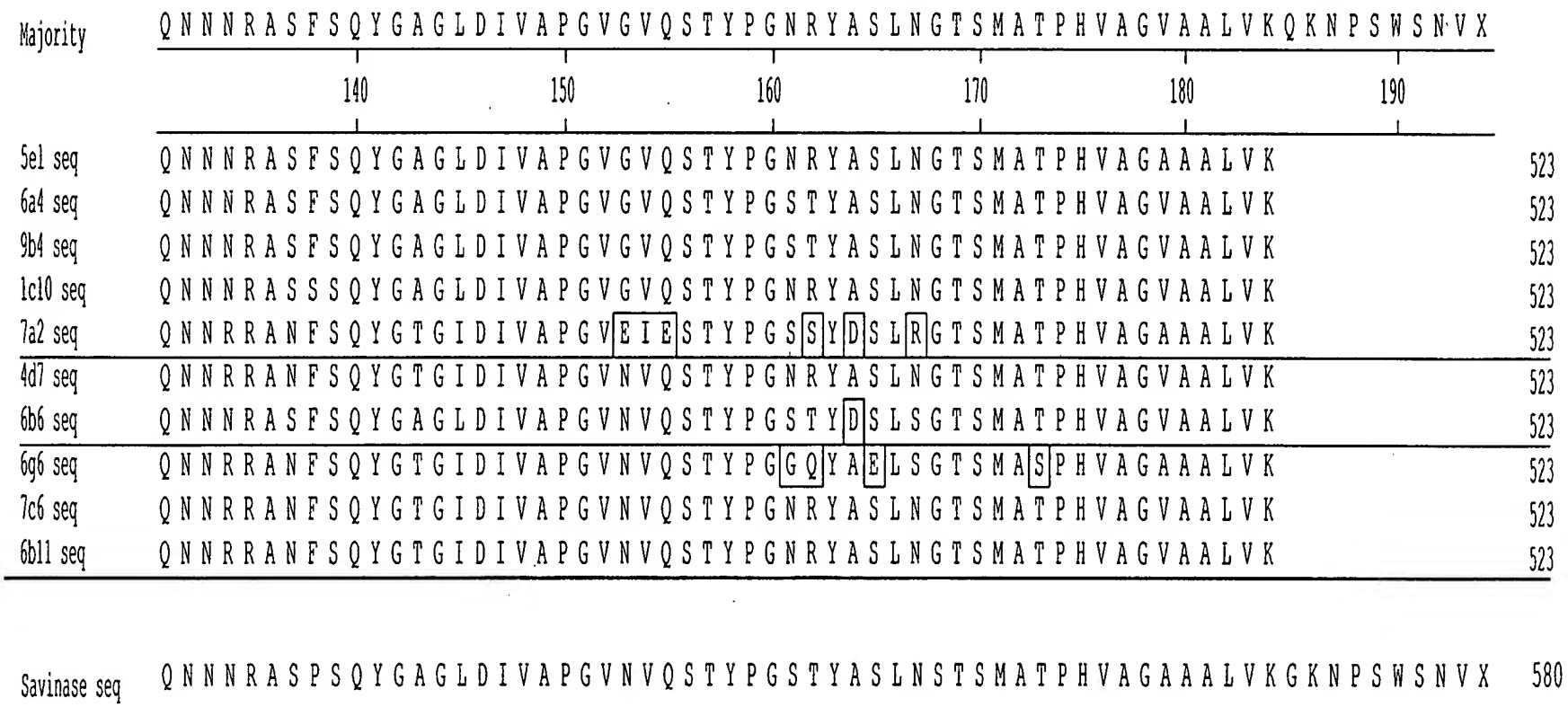

FIG 2F

Subtilisin Structure–Function Correlation

Activity in DMF Motifs

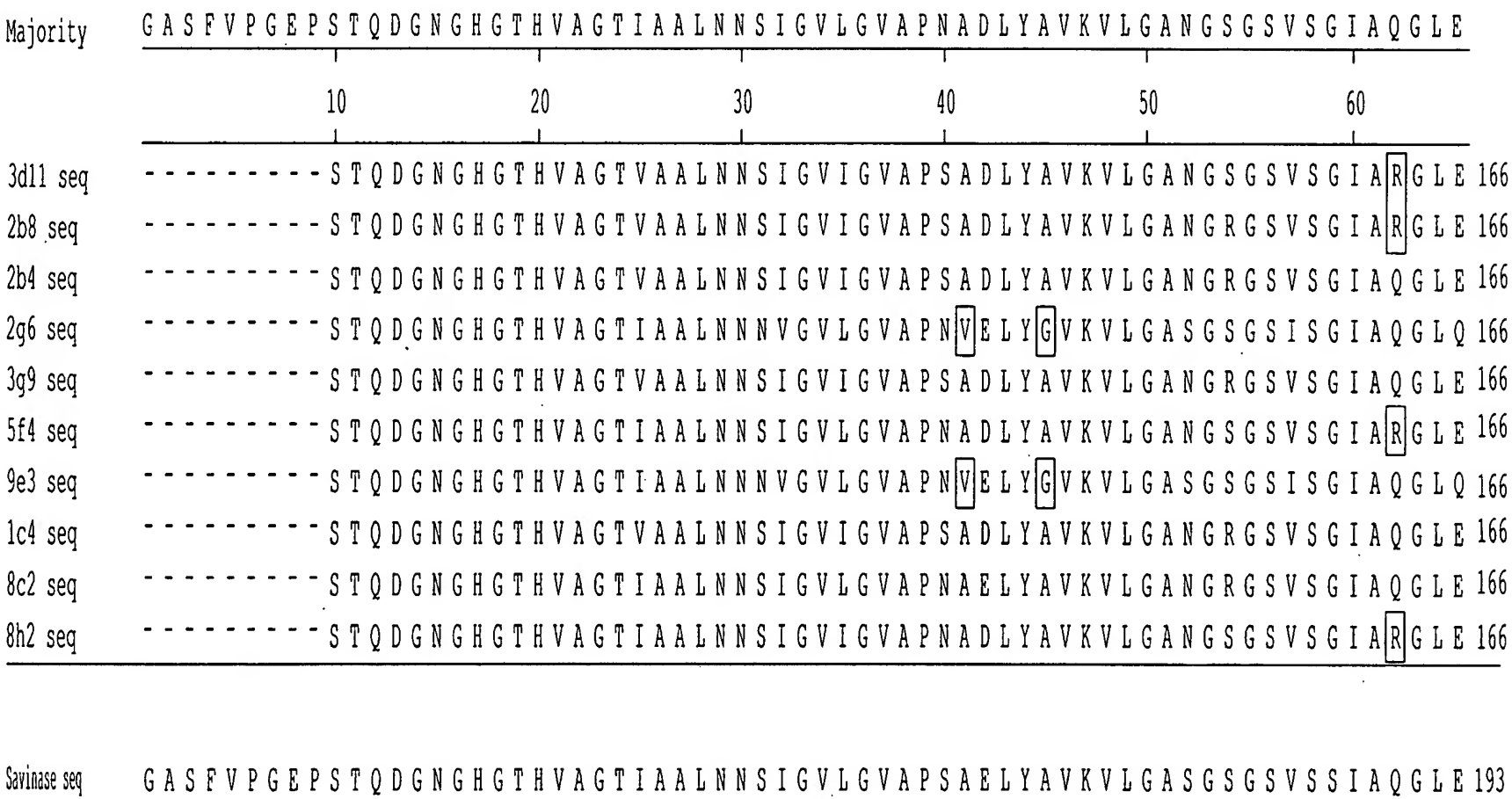

FIG 2G

Subtilisin Structure–Function Correlation

Activity in DMF Motifs

```
Majority  WAAANNMHIANMSLGSDAPSATLEQAVNYATSRGVLVIAATGNNGSGSVGYPARYANAMAVGATD
                    70        80        90       100       110       120       130
3d11 seq  WAATNNMHIANMSLGSDFPSSTLERAVNYATSRDVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
2b8 seq   WAAANNMHIANMSLGSDAPSTTLERAVNYATSQGVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
2b4 seq   WAAANNMHIANMSLGSDAPSTTLGRAVNYATSQGVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
2g6 seq   WAGNNGMHIANMSLGTSAPSATLEQAVNAATSRGVLVIAASGSNGAGSVGYPARYANAMAVGATD 361
3g9 seq   WAAANNMHIANMSLGSDFPSSTLERAVNYATSRDVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
5f4 seq   WAATNNMHIANMSLGSDAPSTTLERAVNYATSQGVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
9e3 seq   WAGNNGMHIANMSLGTSAPSATLEQAVNAATSRGVLVIAASGSNGAGSVGYPARYANAMAVGATD 361
1c4 seq   WAAANNMHIANMSLGSDFPSSTLERAVNYATSQGVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
8c2 seq   WAAANNMHIANMSLGSDAPSTTLKRAVNYATSQGVLVIAATGNNGSGSVGYPARYANAMAVGATD 361
8h2 seq   WAATNNMHIANMSLGSDFPSSTLERAVNYATSQGVLVIAATGNNGSGSVGYPARYANAMAVGATD 361

Savinase seq  WAGNNGMHVANLSLGSPSPSATLEQAVNSATSRGVLVVAASGNSGAGSISYPARYANAMAVGATD 388
```

FIG 2H

Subtilisin Structure–Function Correlation

Activity in DMF Motifs

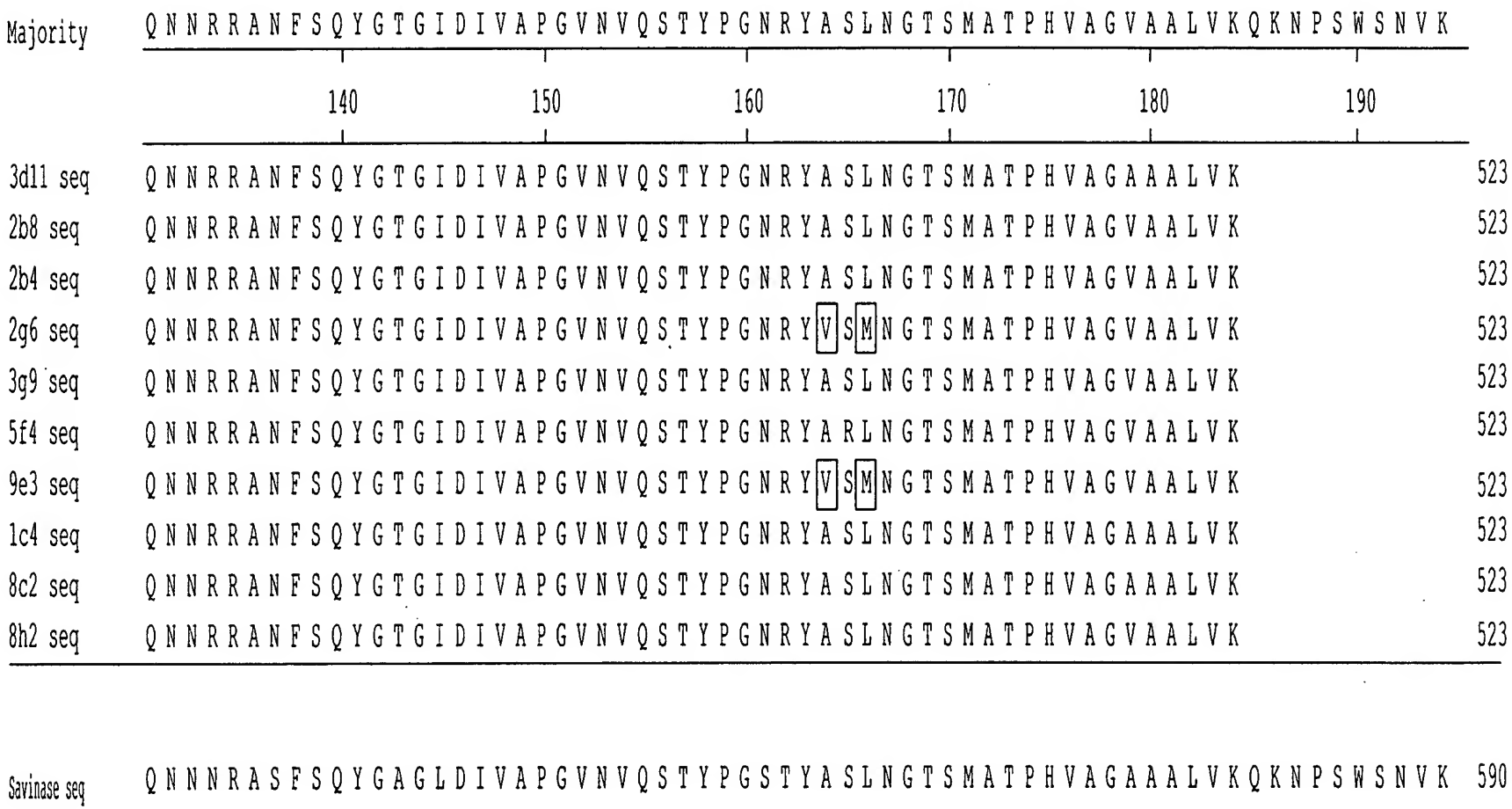

FIG 21